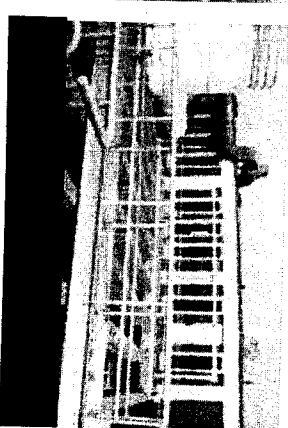
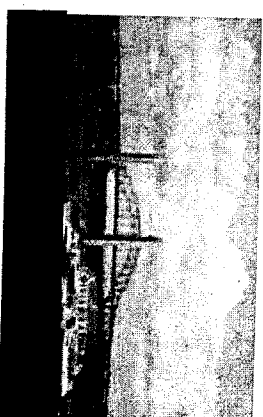
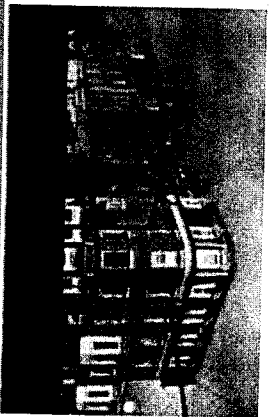


# CITY OF PORTSMOUTH WASTEWATER DIVISION



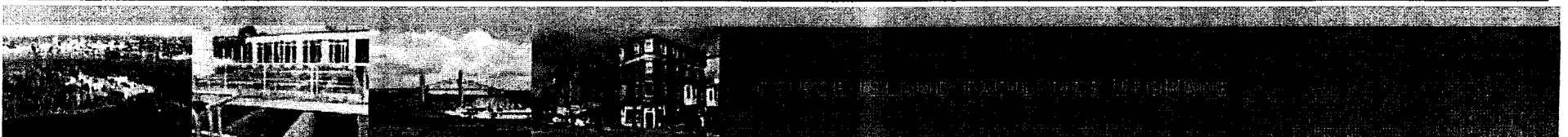
0009

CITY OF PORTSMOUTH WASTEWATER DIVISION  
 1000 WEST 10TH STREET  
 PORTSMOUTH, NH 02871  
 TEL: 603/886-1234  
 FAX: 603/886-1235  
 WWW.CITYOFPORTSMOUTH.NH.GOV

0009

# Proposed Schedule Modification

<b>Task Name per Consent Decree (CD)</b>	<b>CD Date</b>	<b>Proposed Date</b>	<b>Extension in months</b>
<b>Complete design of secondary treatment facilities</b>	August 31, 2014	February 28, 2015	6
<b>Commence construction of secondary treatment facilities</b>	March 1, 2015	September 1, 2015	6
<b>Complete construction of secondary treatment facilities</b>	March 1, 2017	June 1, 2018	15
<b>Achieve compliance with secondary treatment facilities</b>	May 1, 2017	Nov 1, 2018	18

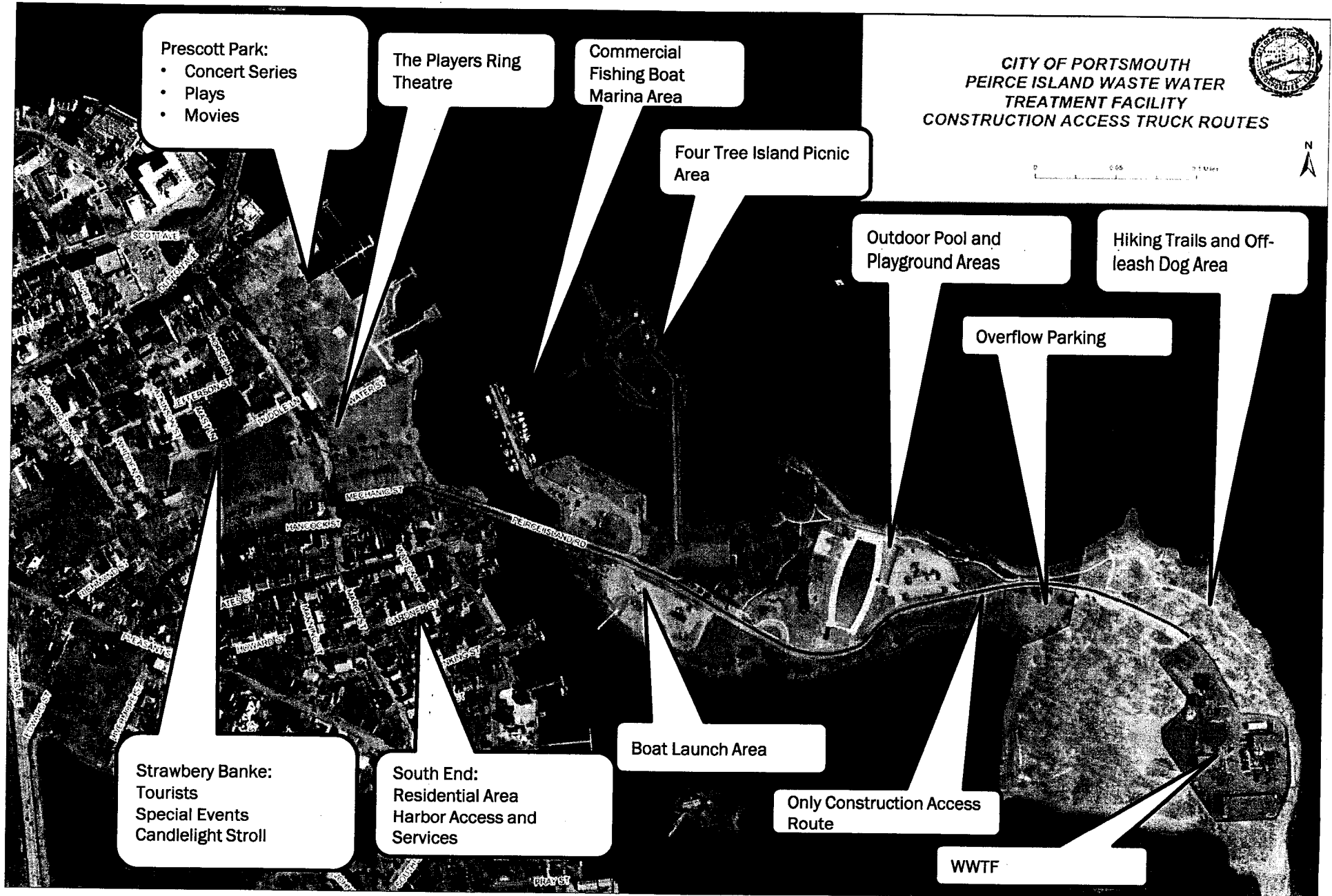


# Comparison of Scope by Project Element

Project Element	Secondary Treatment	Total Nitrogen (TN) Treatment	Additional Costs
Headworks	Y	Y	\$500,000
Existing Facility Upgrades	Y	Y	\$2,000,000
Secondary Pump Station	Y	Y	\$1,000,000
Filter Building Demolition	Y	Y	(\$500,000)
First Stage BAF	Y	Y	\$9,000,000
Second Stage BAF	N	Y	\$13,500,000
Sludge Storage / Sludge Thickening	Y	Y	\$1,000,000
Chemical Addition	N	Y	\$1,500,000
Main Electrical Service	N	Y	\$2,000,000
Total Estimated Project Cost	\$33M	\$63M	\$30,000,000



# Spatial Constraints



# Site Constraints

Existing East End Trails run Adjacent to the existing fence line

Work within 100 ft of tidal wetland requires NHDES wetlands permit

Presence of Fort Washington requires section 106 review

Location of aids to navigation limits work near structures

Existing WWTF Must Remain Operational During Construction

Working within 250 ft of highest observable tide line requires NHDES Shoreline Permit

Presence of rock makes excavation for structure costly

## LEGEND

- Existing Fort Washington Remains
- Approximate Fort Washington Original Location
- Existing WWTF fence line
- Existing aid to navigation
- Existing approximate wetland boundary

PEIRCE ISLAND FACILITIES UPGRADE